

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q88284

Kenji MIYAZAKI, et al.

Appln. No.: 10/536,824

Group Art Unit: 1645

Confirmation No.: 1306

Examiner: Not Yet Assigned

Filed: May 27, 2005

For: METHOD OF ANALYZING C-TERMINAL AMINO ACID SEQUENCE OF PEPTIDE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. MIYAZAKI KENJI et al. "A novel C-terminal sequencing method for proteome study", Molecular and Cellular Proteomics, Vol. 1, No. 9, September, 2002, page 691.
2. Tsugita A. et al., "Additional possible tools for identification of proteins on one- or two- dimensional electrophoresis" Electrophoresis, Vol. 19, No. 6, May 1998, pp. 928-938.
3. United States Patent No. 6,046,053, issued April 4, 2000.
4. Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation"

INFORMATION DISCLOSURE STATEMENT

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Chemistry Letters, 1992, pp. 235-238 (previously submitted with Information Disclosure Statement filed on May 27, 2005).

5. MIYAZAKI K. et al., "C-terminal sequencing method for proteins in gel by the reaction of acetic anhydride with perfluoric acid" SEIKAGAKU - Journal of Japanese Biochemistry Society, Vol. 75, No. 8, August 2003, page 924.
6. KAMO MASAHARU et al., "A novel C-terminal stepwise sequencing method" Journal of Protein Chemistry, Vol. 17, No. 6, August 1998, pp. 511-512.

One copy of each of the listed documents is submitted herewith, except for the U. S. Patent and those indicated as being previously submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses here with a copy of a corresponding European Search Report dated February 7, 2007, which cites such documents and indicates the degree of relevance found by the foreign office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.


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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: April 5, 2007

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/536,824
Confirmation Number	1306
Filing Date	May 27, 2005
First Named Inventor	Kenji MIYAZAKI
Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q88284

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 6,046,053	A	04-04-2000	Tsugita, et al.
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>4</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>4</sup>
		MIYAZAKI KENJI et al. "A novel C-terminal sequencing method for proteome study", Molecular and Cellular Proteomics, Vol. 1, No. 9, September, 2002, page 691.	
		Tsugita A. et al., "Additional Possible tools for identification of proteins on one- or two- dimensional electrophoresis" Electrophoresis, Vol. 19, No. 6, May 1998, pp. 928-938	
		Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation" Chemistry Letters, 1992, pp. 235-238 (previously submitted with Information Disclosure Statement filed on May 27, 2003).	
		MIYAZAKI K. et al., "C-terminal sequencing method for proteins in gel by the reaction of acetic anhydride with perfluoric acid" SEIKAGAKU - Journal of Japanese Biochemistry Society, Vol. 75, No. 8, August 2003, page 924.	
		KAMO MASAHARU et al., "A novel C-terminal stepwise sequencing method" Journal of Protein Chemistry, Vol. 17, No. 6, August 1998, pp. 511-512.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPPE 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPPE 901.04 or follow the hyperlink from the title of the document to the annex. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.